

## RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/735,963  
Source: FWO  
Date Processed by STIC: 7-27-05

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IFWO

## RAW SEQUENCE LISTING

DATE: 01/27/2005

PATENT APPLICATION: US/10/735,963

TIME: 11:24:40

Input Set : A:\sequence 1-13-05.ST25.txt

Output Set: N:\CRF4\01272005\J735963.raw

3 &lt;110&gt; APPLICANT: Sorensen, Jan

4 Andersen, Knud

5 Pettersson, Ingrid

7 &lt;120&gt; TITLE OF INVENTION: Substituted Homopiperidine, Piperidine or Pyrrolidine

## Derivatives

9 &lt;130&gt; FILE REFERENCE: 6567.200-US

11 &lt;140&gt; CURRENT APPLICATION NUMBER: US 10/735,963

12 &lt;141&gt; CURRENT FILING DATE: 2003-12-15

14 &lt;150&gt; PRIOR APPLICATION NUMBER: PA 2002 01932

15 &lt;151&gt; PRIOR FILING DATE: 2002-12-18

17 &lt;150&gt; PRIOR APPLICATION NUMBER: PA 2003 00484

18 &lt;151&gt; PRIOR FILING DATE: 2003-03-31

20 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/434,253

21 &lt;151&gt; PRIOR FILING DATE: 2002-12-18

23 &lt;150&gt; PRIOR APPLICATION NUMBER: US 60/460,777

24 &lt;151&gt; PRIOR FILING DATE: 2003-04-04

26 &lt;160&gt; NUMBER OF SEQ ID NOS: 3

28 &lt;170&gt; SOFTWARE: PatentIn version 3.3

30 &lt;210&gt; SEQ ID NO: 1

31 &lt;211&gt; LENGTH: 445

32 &lt;212&gt; TYPE: PRT

33 &lt;213&gt; ORGANISM: Homo sapiens

35 &lt;400&gt; SEQUENCE: 1

37 Met Glu Arg Ala Pro Pro Asp Gly Pro Leu Asn Ala Ser Gly Ala Leu

38 1 5 10 15

41 Ala Gly Glu Ala Ala Ala Ala Gly Gly Ala Arg Gly Phe Ser Ala Ala

42 20 25 30

45 Trp Thr Ala Val Leu Ala Ala Leu Met Ala Leu Leu Ile Val Ala Thr

46 35 40 45

49 Val Leu Gly Asn Ala Leu Val Met Leu Ala Phe Val Ala Asp Ser Ser

50 50 55 60

53 Leu Arg Thr Gln Asn Asn Phe Phe Leu Leu Asn Leu Ala Ile Ser Asp

54 65 70 75 80

57 Phe Leu Val Gly Ala Phe Cys Ile Pro Leu Tyr Val Pro Tyr Val Leu

58 85 90 95

61 Thr Gly Arg Trp Thr Phe Gly Arg Gly Leu Cys Lys Leu Trp Leu Val

62 100 105 110

65 Val Asp Tyr Leu Leu Cys Thr Ser Ser Ala Phe Asn Ile Val Leu Ile

66 115 120 125

69 Ser Tyr Asp Arg Phe Leu Ser Val Thr Arg Ala Val Ser Tyr Arg Ala

70 130 135 140

73 Gln Gln Gly Asp Thr Arg Arg Ala Val Arg Lys Met Leu Leu Val Trp

74 145 150 155 160

77 Val Leu Ala Phe Leu Leu Tyr Gly Pro Ala Ile Leu Ser Trp Glu Tyr

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78          165          170          175
81 Leu Ser Gly Gly Ser Ser Ile Pro Glu Gly His Cys Tyr Ala Glu Phe
82          180          185          190
85 Phe Tyr Asn Trp Tyr Phe Leu Ile Thr Ala Ser Thr Leu Glu Phe Phe
86          195          200          205
89 Thr Pro Phe Leu Ser Val Thr Phe Phe Asn Leu Ser Ile Tyr Leu Asn
90          210          215          220
93 Ile Gln Arg Arg Thr Arg Leu Arg Leu Asp Gly Ala Arg Glu Ala Ala
94 225          230          235          240
97 Gly Pro Glu Pro Pro Pro Glu Ala Gln Pro Ser Pro Pro Pro Pro
98          245          250          255
101 Gly Cys Trp Gly Cys Trp Gln Lys Gly His Gly Glu Ala Met Pro Leu
102          260          265          270
105 His Arg Tyr Gly Val Gly Glu Ala Ala Val Gly Ala Glu Ala Gly Glu
106          275          280          285
109 Ala Thr Leu Gly Gly Gly Gly Gly Gly Ser Val Ala Ser Pro Thr
110          290          295          300
113 Ser Ser Ser Gly Ser Ser Ser Arg Gly Thr Glu Arg Pro Arg Ser Leu
114 305          310          315          320
117 Lys Arg Gly Ser Lys Pro Ser Ala Ser Ser Ala Ser Leu Glu Lys Arg
118          325          330          335
121 Met Lys Met Val Ser Gln Ser Phe Thr Gln Arg Phe Arg Leu Ser Arg
122          340          345          350
125 Asp Arg Lys Val Ala Lys Ser Leu Ala Val Ile Val Ser Ile Phe Gly
126          355          360          365
129 Leu Cys Trp Ala Pro Tyr Thr Leu Leu Met Ile Ile Arg Ala Ala Cys
130          370          375          380
133 His Gly His Cys Val Pro Asp Tyr Trp Tyr Glu Thr Ser Phe Trp Leu
134 385          390          395          400
137 Leu Trp Ala Asn Ser Ala Val Asn Pro Val Leu Tyr Pro Leu Cys His
138          405          410          415
141 His Ser Phe Arg Arg Ala Phe Thr Lys Leu Leu Cys Pro Gln Lys Leu
142          420          425          430
145 Lys Ile Gln Pro His Ser Ser Leu Glu His Cys Trp Lys
146          435          440          445
149 <210> SEQ ID NO: 2
150 <211> LENGTH: 445
151 <212> TYPE: PRT
152 <213> ORGANISM: monkey
154 <400> SEQUENCE: 2
156 Met Glu Arg Ala Pro Pro Asp Gly Pro Leu Asn Ala Ser Gly Ala Leu
157 1          5          10          15
160 Ala Gly Glu Ala Ala Ala Ala Gly Gly Ala Arg Gly Phe Ser Ala Ala
161          20          25          30
164 Trp Thr Ala Val Leu Ala Ala Leu Met Ala Leu Leu Ile Val Ala Thr
165          35          40          45
168 Val Leu Gly Asn Ala Leu Val Met Leu Ala Phe Val Ala Asp Ser Ser
169          50          55          60
172 Leu Arg Thr Gln Asn Asn Phe Phe Leu Leu Asn Leu Ala Ile Ser Asp

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173 65          70          75          80
176 Phe Leu Val Gly Ala Phe Cys Ile Pro Leu Tyr Val Pro Tyr Val Leu
177          85          90          95
180 Thr Gly Arg Trp Thr Phe Gly Arg Gly Leu Cys Lys Leu Trp Leu Val
181          100          105          110
184 Val Asp Tyr Leu Leu Cys Thr Ser Ser Ala Phe Asn Ile Val Leu Ile
185          115          120          125
188 Ser Tyr Asp Arg Phe Leu Ser Val Thr Arg Ala Val Ser Tyr Arg Ala
189          130          135          140
192 Gln Gln Gly Asn Thr Arg Arg Ala Val Arg Lys Met Leu Leu Val Trp
193 145          150          155          160
196 Val Leu Ala Phe Leu Leu Tyr Gly Pro Ala Ile Leu Ser Trp Glu Tyr
197          165          170          175
200 Leu Ser Gly Gly Ser Ser Ile Pro Glu Gly His Cys Tyr Ala Glu Phe
201          180          185          190
204 Phe Tyr Asn Trp Tyr Phe Leu Ile Thr Ala Ser Thr Leu Glu Phe Phe
205          195          200          205
208 Thr Pro Phe Leu Ser Val Thr Phe Phe Asn Leu Ser Ile Tyr Leu Asn
209          210          215          220
212 Ile Gln Arg Arg Thr Arg Leu Arg Leu Asp Gly Ala Arg Glu Ala Gly
213 225          230          235          240
216 Gly Pro Glu Pro Pro Pro Glu Ala Gln Pro Ser Pro Pro Pro Pro
217          245          250          255
220 Gly Cys Trp Gly Cys Trp Gln Lys Gly His Gly Glu Ala Met Pro Leu
221          260          265          270
224 His Arg Tyr Gly Val Gly Glu Ala Ala Gly Ala Glu Ala Gly Glu
225          275          280          285
228 Thr Ala Leu Gly Gly Gly Gly Gly Gly Ser Ala Ala Ser Pro Thr
229          290          295          300
232 Ser Ser Ser Gly Ser Ser Ser Arg Gly Thr Glu Arg Pro Arg Ser Leu
233 305          310          315          320
236 Lys Arg Gly Ser Lys Pro Ser Ala Ser Ser Ala Ser Leu Glu Lys Arg
237          325          330          335
240 Met Lys Met Val Ser Gln Ser Phe Thr Gln Arg Phe Arg Leu Ser Arg
241          340          345          350
244 Asp Arg Lys Val Ala Lys Ser Leu Ala Val Ile Val Ser Ile Phe Gly
245          355          360          365
248 Leu Cys Trp Ala Pro Tyr Thr Leu Leu Met Ile Ile Arg Ala Ala Cys
249          370          375          380
252 His Gly His Cys Val Pro Asp Tyr Trp Tyr Glu Thr Ser Phe Trp Leu
253 385          390          395          400
256 Leu Trp Ala Asn Ser Ala Val Asn Pro Val Leu Tyr Pro Leu Cys His
257          405          410          415
260 His Ser Phe Arg Arg Ala Phe Thr Lys Leu Leu Cys Pro Gln Lys Leu
261          420          425          430
264 Lys Ile Gln Pro His Ser Ser Leu Glu Gln Cys Trp Lys
265          435          440          445
268 <210> SEQ ID NO: 3
269 <211> LENGTH: 445

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Input Set : A:\sequence 1-13-05.ST25.txt

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270 <212> TYPE: PRT
271 <213> ORGANISM: rat
273 <400> SEQUENCE: 3
275 Met Glu Arg Ala Pro Pro Asp Gly Leu Met Asn Ala Ser Gly Thr Leu
276 1 5 10 15
279 Ala Gly Glu Ala Ala Ala Ala Gly Gly Ala Arg Gly Phe Ser Ala Ala
280 20 25 30
283 Trp Thr Ala Val Leu Ala Ala Leu Met Ala Leu Leu Ile Val Ala Thr
284 35 40 45
287 Val Leu Gly Asn Ala Leu Val Met Leu Ala Phe Val Ala Asp Ser Ser
288 50 55 60
291 Leu Arg Thr Gln Asn Asn Phe Phe Leu Leu Asn Leu Ala Ile Ser Asp
292 65 70 75 80
295 Phe Leu Val Gly Ala Phe Cys Ile Pro Leu Tyr Val Pro Tyr Val Leu
296 85 90 95
299 Thr Gly Arg Trp Thr Phe Gly Arg Gly Leu Cys Lys Leu Trp Leu Val
300 100 105 110
303 Val Asp Tyr Leu Leu Cys Ala Ser Ser Val Phe Asn Ile Val Leu Ile
304 115 120 125
307 Ser Tyr Asp Arg Phe Leu Ser Val Thr Arg Ala Val Ser Tyr Arg Ala
308 130 135 140
311 Gln Gln Gly Asp Thr Arg Arg Ala Val Arg Lys Met Ala Leu Val Trp
312 145 150 155 160
315 Val Leu Ala Phe Leu Leu Tyr Gly Pro Ala Ile Leu Ser Trp Glu Tyr
316 165 170 175
319 Leu Ser Gly Gly Ser Ser Ile Pro Glu Gly His Cys Tyr Ala Glu Phe
320 180 185 190
323 Phe Tyr Asn Trp Tyr Phe Leu Ile Thr Ala Ser Thr Leu Glu Phe Phe
324 195 200 205
327 Thr Pro Phe Leu Ser Val Thr Phe Phe Asn Leu Ser Ile Tyr Leu Asn
328 210 215 220
331 Ile Gln Arg Arg Thr Arg Leu Arg Leu Asp Gly Gly Arg Glu Ala Gly
332 225 230 235 240
335 Pro Glu Pro Pro Pro Asp Ala Gln Pro Ser Pro Pro Pro Ala Pro Pro
336 245 250 255
339 Ser Cys Trp Gly Cys Trp Pro Lys Gly His Gly Glu Ala Met Pro Leu
340 260 265 270
343 His Arg Tyr Gly Val Gly Glu Ala Gly Pro Gly Val Glu Ala Gly Glu
344 275 280 285
347 Ala Ala Leu Gly Gly Gly Ser Gly Gly Gly Ala Ala Ala Ser Pro Thr
348 290 295 300
351 Ser Ser Ser Gly Ser Ser Ser Arg Gly Thr Glu Arg Pro Arg Ser Leu
352 305 310 315 320
355 Lys Arg Gly Ser Lys Pro Ser Ala Ser Ser Ala Ser Leu Glu Lys Arg
356 325 330 335
359 Met Lys Met Val Ser Gln Ser Ile Thr Gln Arg Phe Arg Leu Ser Arg
360 340 345 350
363 Asp Lys Lys Val Ala Lys Ser Leu Ala Ile Ile Val Ser Ile Phe Gly
364 355 360 365

```

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367 Leu Cys Trp Ala Pro Tyr Thr Leu Leu Met Ile Ile Arg Ala Ala Cys
368      370      375      380
371 His Gly Arg Cys Ile Pro Asp Tyr Trp Tyr Glu Thr Ser Phe Trp Leu
372 385      390      395      400
375 Leu Trp Ala Asn Ser Ala Val Asn Pro Val Leu Tyr Pro Leu Cys His
376      405      410      415
379 Tyr Ser Phe Arg Arg Ala Phe Thr Lys Leu Leu Cys Pro Gln Lys Leu
380      420      425      430
383 Lys Val Gln Pro His Gly Ser Leu Glu Gln Cys Trp Lys
384      435      440      445

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**VERIFICATION SUMMARY**

DATE: 01/27/2005

PATENT APPLICATION: US/10/735,963

TIME: 11:24:41

Input Set : A:\sequence 1-13-05.ST25.txt

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